<u>AMENDMENTS TO THE CLAIMS</u>

1.   (Currently amended) A computer-implemented method for determining whether a software application is properly installed on target computer, comprising:

obtaining a validation manifest from the software provider of the software application for validating the installation of the software application, the validation manifest comprising computer-executable validation actions for determining whether the software application is properly installed on the target computer <u>and a computer-executable corrective action for correcting an improperly installed software application, wherein the validation actions comprise executing a comparison instruction independent of the execution of the software application to compare an aspect of the software application to corresponding validation response information in the validation manifest</u>;

executing the validation actions in the validation manifest<u>, wherein each executed validation action results in a positive result or a negative result</u>;

<u>detecting whether a predetermined threshold number of negative results is resulted,</u>

<u>if so: executing a corrective action associated with each validation action that results in a negative result</u>; and

based on the results of the executed validation actions, determining whether the software application is properly installed on the target computer.

2.   (Previously presented) The method of Claim 1, wherein the validation actions comprise executing a validation program that executes separate from the software application and returns results indicating whether aspects of the software application are properly installed on the target computer.

3.   (Previously presented) The method of Claim 1, wherein the validation actions comprise executing a validation routine in a loadable module associated with the software application that returns results indicating whether aspects of the software application are properly installed on the target computer.

4.   (Cancelled)

5.   (Original) The method of Claim 4, wherein the aspect of the software application compared by the comparison instruction is the modification date of a file provided as part of the software application.

6.   (Original) The method of Claim 4, wherein the aspect of the software application compared by the comparison instruction is the file size of a file provided as part of software application.

7.   (Original) The method of Claim 4, wherein the aspect of the software application compared by the comparison instruction is the version number of a shared library module used by the software application.

8.   (Original) The method of Claim 4, wherein the aspect of the software application compared by the comparison instruction is the version number of a library module provided as part of the software application.

9.   (Previously presented) The method of Claim 4, wherein the aspect of the software application compared by the comparison instruction is a system registry value of the computer system upon which the software application is installed and associated with the software application.

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10.   (Original) The method of Claim 4, wherein the aspect of the software application compared by the comparison instruction is a system environment setting.

11.   (Original) The method of Claim 1, wherein the validation manifest further comprises installation information for installing the software application on the target computer.

12.   (Cancelled)

13.   (Currently amended) A system for validating whether a software component is properly installed on a target computer, the system comprising:

a processor; and

a memory, the memory storing and software application, and further storing a validation module, wherein the validation module:

obtains a validation manifest associated with the software application from the provider of the software application, the validation manifest comprising a plurality of computer-executable validation actions for determining whether the software application is properly installed on the target computer, wherein the validation actions comprise executing a comparison instruction independent of the execution of the software application to compare an aspect of the software application to corresponding validation response information in the validation manifest;

executes each validation action in the validation manifest until a predetermined threshold number of negative results is detected, wherein the executed validation action results in a positive result or a negative result; and

based on the results of the executed validation actions, determines whether the software application is properly installed on the target computer.

14.   (Original) The system of Claim 13, wherein the at least one validation action comprises a validation program associated with the software application that, when executed, returns results indicating whether aspects of the software application are properly installed on the target computer.

15.   (Original) The system of Claim 13, wherein the at least one validation action comprises a validation routine in a loadable library associated with the software application that, when called, returns results indicating whether aspects of the software application are properly installed on the target computer.

16.   (Original) The system of Claim 13, wherein the at least one validation action comprises a comparison instruction to compare an aspect of the software application to corresponding validation response information in the validation manifest.

17.   (Original) The system of Claim 16, wherein the aspect of the software application compared by the comparison instruction is the modification date of a file provided as part of the software application.

18.   (Original) The system of Claim 16, wherein the aspect of the software application compared by the comparison instruction is the file size of a file provided as part of software application.

19.   (Original) The system of Claim 16, wherein the aspect of the software application compared by the comparison instruction is the version number of a shared library module used by the software application.

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20.   (Original) The system of Claim 16, wherein the aspect of the software application compared by the comparison instruction is the version number of a library module provided as part of the software application.

21.   (Previously presented) The system of Claim 16, wherein the aspect of the software application compared by the comparison instruction is a system registry value associated with the software application.

22.   (Original) The system of Claim 16, wherein the aspect of the software application compared by the comparison instruction is a system environment setting.

23.   (Original) The system of Claim 13, wherein the validation manifest further comprises installation information for installing the software application on the target computer.

24.   (Original) The system of Claim 13, wherein the validation module, upon detecting a negative result from executing a validation action, executes a corrective action associated with the validation action.

25.   (Currently amended) A networked computing environment for validating whether a software application is properly installed on a client computer, the system comprising:

a client computer upon which the software application is installed; and

an administrator computer, the administrator computer operable to:

obtain a validation manifest from the provider of the software application, the validation manifest comprising validation actions for determining whether the software application is properly installed on the client computer, each validation action comprising a computer-executable action for determining at least one aspect of whether the software application is properly installed on the client computer, data for use in the computer-executable

action, and a result value indicative of whether at least the one aspect of the software application is properly installed on the client computer;

> carry out the validation actions in the validation manifest until a predetermined threshold number of negative results is detected, wherein each executed validation action results in a positive result or a negative result; and

> based on the results of carrying out the validation actions, determine whether the software application is properly installed on the client computer.

26.   (Original) The networked computing environment of Claim 25, wherein the validation actions comprise a validation program associated with the software application which, when executed, returns results indicating whether aspects of the software application are properly installed on the client computer.

27.   (Original) The networked computing environment of Claim 25, wherein the validation actions comprise a validation routine in a loadable library on the client computer associated with the software application which, when called, returns results indicating whether aspects of the software application are properly installed on the client computer.

28.   (Original) The networked computing environment of Claim 25, wherein the validation actions comprise a comparison instruction to compare an aspect of the software application installed on the client computer to corresponding validation response information in the validation manifest.

29.   (Original) The networked computing environment of Claim 28, wherein the aspect of the software application compared by the comparison instruction is the modification date of a file on the client computer installed as part of the software application.

30.　　(Original) The networked computing environment of Claim 28, wherein the aspect of the software application compared by the comparison instruction is the file size of a file installed as part of software application.

31.　　(Original) The networked computing environment of Claim 28, wherein the aspect of the software application compared by the comparison instruction is the version number of a shared library module used by the software application.

32.　　(Original) The networked computing environment of Claim 28, wherein the aspect of the software application compared by the comparison instruction is the version number of a library module installed as part of the software application.

33.　　(Previously presented) The networked computing environment of Claim 28, wherein the aspect of the software application compared by the comparison instruction is a system registry value on the client computer associated with the software application.

34.　　(Original) The networked computing environment of Claim 28, wherein the aspect of the software application compared by the comparison instruction is an system environment setting on the client computer.

35.　　(Original) The networked computing environment of Claim 25, wherein the validation manifest further comprises installation information for installing the software application on the client computer.

36.　　(Original) The networked computing environment of Claim 25, wherein the administrator computer is further operable to, upon detecting a negative result from executing a validation action, execute a corrective action associated with the validation action.

37.   (Currently amended) A computer-readable medium having computer-readable instructions which, when executed, carry out the method comprising:

obtaining a validation manifest associated with the software application from the software application provider, the validation manifest comprising computer-executable validation actions for determining whether the software application is properly installed on the target computer;

executing the validation actions in the validation, wherein each executed validation action results in a positive result or a negative result;

detecting whether a predetermined threshold number of negative results is resulted,

if so: executing a corrective action associated with each validation action that results in a negative result; and

based on the results of the executed validation actions, determining whether the software application is properly installed on the target computer.

38.   (Original) The method of Claim 37, wherein the validation actions comprise a validation program associated with the software application that, when executed, returns results indicating whether aspects of the software application are properly installed on the target computer.

39.   (Original) The method of Claim 37, wherein the validation actions comprise a validation routine in a loadable module associated with the software application that, when called, returns results indicating whether aspects of the software application are properly installed on the target computer.

40. (Original) The method of Claim 37, wherein the validation actions comprise a comparison instruction to compare an aspect of the software application to corresponding validation response information in the validation manifest.

41. (Original) The method of Claim 40, wherein the aspect of the software application compared by the comparison instruction is the modification date of a file provided as part of the software application.

42. (Original) The method of Claim 40, wherein the aspect of the software application compared by the comparison instruction is the file size of a file provided as part of software application.

43. (Original) The method of Claim 40, wherein the aspect of the software application compared by the comparison instruction is the version number of a shared library module used by the software application.

44. (Original) The method of Claim 40, wherein the aspect of the software application compared by the comparison instruction is the version number of a library module provided as part of the software application.

45. (Previously presented) The method of Claim 40, wherein the aspect of the software application compared by the comparison instruction is a system registry value associated with the software application.

46. (Original) The method of Claim 40, wherein the aspect of the software application compared by the comparison instruction is a system environment setting.

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47. (Original) The method of Claim 37, wherein the validation manifest further comprises installation information for installing the software application on the target computer.

48. (Original) The method of Claim 37 further comprising, upon detecting a negative result from executing a validation action, executing a corrective action associated with the validation action.

49. (Currently amended) A computer implemented method for determining whether a plurality of software applications are properly installed on a target computer, the method comprising:

identifying a plurality of software applications installed on the target computer; and

for each identified software application:

obtaining a validation manifest associated with the software application from the provider of the software application, the validation manifest comprising validation actions for determining whether the software application is properly installed on the target computer, wherein each validation action in the validation manifest comprises a token corresponding to a computer-executable action, data for use by the computer-executable action in validating the software application, and an expected result of the computer-executable action indicative of a valid installation;

executing the validation actions in the validation manifest until a predetermined threshold number of negative results is detected, wherein each executed validation action results in a positive result or a negative result; and

based on the results of the executed validation actions, determining whether the software application is properly installed on the target computer.

50. (New) The method of Claim 1, wherein executing a corrective action further includes executing a chain of corrective actions for correcting improperly installed software application.